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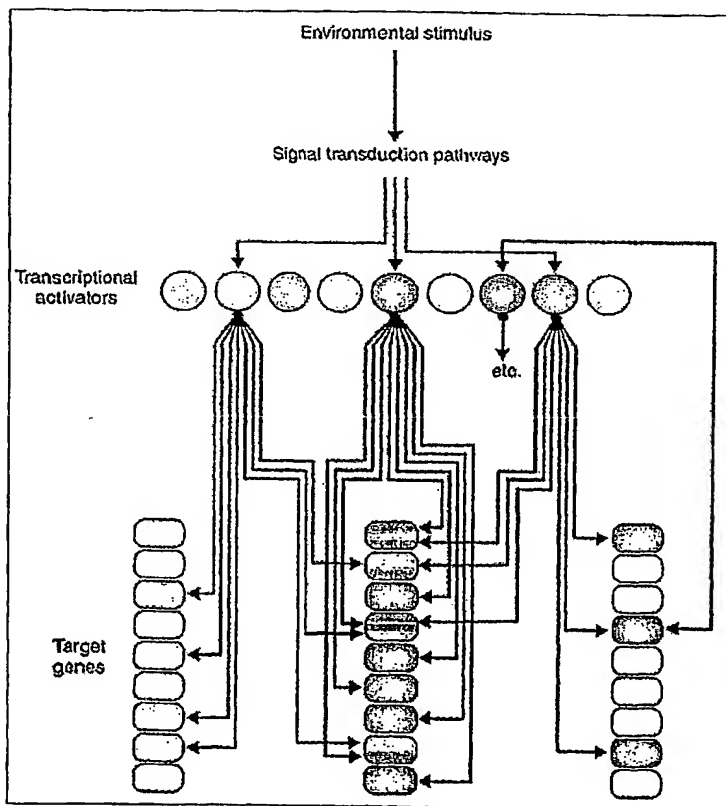
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(54) Title: METHODS AND COMPOSITIONS FOR ANALYSIS OF REGULATORY SEQUENCES



(57) Abstract: Methods for constructing arrays of regulatory sequences, and the arrays so obtained, are provided. Regulatory sequences for use on the arrays are isolated based on their accessibility in cellular chromatin. A number of methods for using the arrays are disclosed, including regulatory DNA profiling, epigenome profiling, toxicological profiling and identification of in vivo binding sites of DNA binding proteins in complex genomes.